Toad® for Oracle Xpert Edition 12.6

Installation Guide

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1

Requirements

About Toad Editions

By purchasing one of the Toad for Oracle Editions, you have obtained not only a powerful Oracle application development tool, but other tools to help you maintain and develop your Oracle database applications.

This guide is an executive overview of the Toad Editions. It provides basic information about installing the products, including system requirements and the use of the Dell Software Installer. See the specific Installation Guide for each product for more information about each application, including troubleshooting information.

The following Dell Software applications are included in this edition:

- Toad™ for Oracle®
- SQL Optimizer for Oracle
- Toad Data Modeler
- Toad for MySQL Freeware

Note: The DB Admin Module can be added to any Toad edition.

In many cases, if functionality is disabled within Toad for Oracle, you may not have an appropriate license to use it. When Toad is running, you can see which components are licensed by selecting **Help | About**.

System Requirements

Hardware requirements

Requirement	Details
Processor	1 GHz processor
Memory	1 GB RAM required for 32-bit 2 GB RAM required for 64-bit **Note**: The memory required may vary based on the following: • Applications that are running on your system • Size and complexity of the database • Amount of database activity • Number of concurrent users accessing the database
Hard disk space	**By Toad Edition:** 625 MB - Toad for Oracle Xpert Edition **By product:** 120 MB - Toad for Oracle 32 bit 150 MB - Toad for Oracle 64 bit 90 MB - SQL Optimizer for Oracle® 200 MB - Toad™ Data Modeler 800 GB - Toad™ for MySQL Freeware
Operating system	Windows Server 2003 (32-bit and 64-bit) Windows XP (32-bit and 64-bit) Windows Vista (32-bit and 64-bit) Windows Server 2008 (32-bit and 64-bit) - 2 CPU required Windows Server 2008 R2 (64-bit) - 2 CPU required Windows 7 (32-bit and 64-bit) Windows 8 (32-bit and 64-bit) Windows Server 2012 (64-bit) **Note:** Individual products may support earlier or later versions of Windows operating systems. See the product release notes for more information.

Database requirements

Requirement	Details
Database client	Oracle Client 9.2.0.8 Oracle Client or Instant Client 10.2.0.3/10.2.0.4 Oracle Client or Instant Client 11.2.0.1/11.2.0.3 Oracle Client or Instant Client 12c Note: You must use the 32-bit version of Toad with the 32-bit Oracle client, and the 64-bit version of Toad with the 64-bit Oracle client.
Database server	**Oracle** Oracle 8.0.6; 8.1.7; 9i; 9i R2; 10g; 10g R2; 11g, 11g R2, 12c. **Exadata** Toad has been tested on Oracle Exadata 2.0 running Oracle database 11g R2. **Important**: It is recommended that your client version be of the same release (or later) as your database server. This is an Oracle recommendation to prevent performance issues. **Exceptions:** SQL Optimizer requires 8.1.7 or later. Toad Data Modeler requires 9i or later. Toad for MySQL Freeware does not support Oracle. See its Release Notes for supported servers.
Cloud database service	Oracle databases running on Amazon EC2
IPv6	Internet Protocol Version 6 (IPv6) is being adopted by the US Federal Government and industries around the world. In its most basic format, the new protocol uses 128-bit addresses instead of 32-bit addresses used by the current IPv4 to route packets over the Internet. Toad for Oracle features such as FTP access the Internet through third-party vendors such as /nSoftware's IP*Works that are IPv6 compliant. For access to Web sites by way of the Toad Online window, Toad simply invokes the user-defined or default Web browser.

Additional requirements

Requirement	Details
Additional Software	Microsoft Internet Explorer 6.0 or later (to view video via the Jump list within Toad, and the *Release Notes*). Adobe Acrobat Reader 7.0 or later (to view the *Installation Guide*). **SQL Optimizer:** .NET Framework Microsoft .NET Framework 4.0 Full Profile **Toad for MySQL Freeware:** • Microsoft .NET 4.5 is required for these operating systems: Windows Vista SP2, Windows 7, Windows 8, Windows Server 2008 (SP2 or earlier), Windows Server 2008 R2, Windows Server 2012. • Microsoft .NET 4.0 is required for these operating systems: Windows XP, Windows Vista (SP1 or earlier), Windows Server 2003. Notes: • This information is provided to aid installation. Toad for MySQL is not tested on Windows XP. Windows Vista (SP1 or earlier), and Windows Server 2003. • The .NET Framework 4 Client Profile is not supported.

Virtualization support

Before installing your Toad Edition, review the following for virtualization support:

Type	Details
Application virtualization	Citrix XenApp 5.0 and 6.5 have been tested. • SQL Optimizer: tested with Microsoft Application Virtualization (App-V) 5.0 on Windows 7 and Windows Server 2012.
Desktop virtualization (VDI)	Dell™ vWorkspace™ 7.0 has been tested. **Exceptions:** • Toad for MySQL—Has not been tested
Server virtualization	Oracle VM 3.1 has been tested. • Toad for MySQL has not been tested.

Type	Details
	VMware ESX Server 3.5 has been tested. **Exceptions:** • Toad Data Modeler has been tested using VMware Server 3.0. • Toad for MySQL has not been tested.

Note: Toad Editions may work in virtualization environments other than the ones listed.

Upgrade and compatibility

Note regarding settings when upgrading:

Toad supports importing settings from a previous version of Toad for Oracle if the new version is within two releases of the previous version. If your versions are more than two releases apart, you need to install an intermediate version to successfully import the files.

Required Windows Privileges

In order to install and run Toad for Oracle, make a connection, and do basic operations, you must have the following privileges.

Operating System	Requirements
Windows XP Windows Server	• Read access to the Oracle client folder • Read/write privileges on the Oracle Homes directories that you use for your connections • Be a Power User or Administrator
Windows Vista Windows 7	• Read access to the Oracle client folder • Read/write privileges on the Oracle Homes directories that you use for your connections
Windows 8 Windows Server 2012	• Read access to the Oracle client folder • Read/write privileges on the Oracle Homes directories that you use for your connections

Note: Other functionality in Toad may require additional privileges.

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Install Toad Editions

Install Toad Editions

You can install any or all of the products that are included in your Toad Edition using the Dell Software Installer.

Notes:

- See the Dell Installer Release Notes for detailed information about the current version of the Dell Installer.
- You can also install Toad Edition products silently. Silent installation provides a convenient method for deploying Toad products to multiple machines. See "Extract MSI Files"

To install a Toad Edition

1. Run the Toad Edition installation program.
2. Complete the wizard. Review the following for additional information:

Destination directory	Select a directory to install the applications in your Toad edition. The default directory is C:\Program Files\Dell. **Note:** This directory sets the base directory for the installation of all Dell software products.
Individual Products	Expand a product in the product list to select additional installation features such as install type, installation directory, and so on. **Note:** For additional information about other products, see the appropriate product Installation Guide.

License Toad Editions

All products within a Toad edition share a licensing key. For best results, when you have completed installation of your products, run Toad for Oracle first and enter the license key when prompted. This ensures that all installed products reflect the appropriate license key.

Upgrade Existing Licenses

If you have previously licensed versions of Toad for Oracle or the other products in this edition, your old license keys will continue to work. If you are upgrading to a different edition and have been issued a new key, use the following procedure.

To upgrade an existing license

1. Launch Toad for Oracle.
2. Select **Help** | **Licensing** and enter your new license key. Any new features are enabled automatically, and any additional Toad products are licensed using this key.

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Silently Install Toad Editions

About Installing Silently

In order to perform a silent install, you must first extract the MSI file from the Dell Software Installer. Once the extraction completes, you can easily install all of the selected products through the silent install batch file, or individually install the products through the command line.

Note: You do not need to install the Dell Software Installer on any of the computers where you are silently installing Toad products. The Dell Software Installer is only used to extract the required MSI files.

To install silently

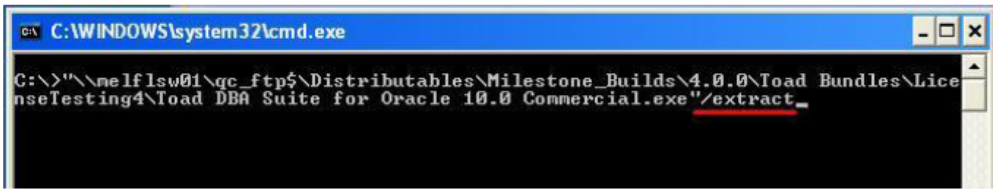
1. Extract the MSI from the Dell Software installer.
2. Silently install the products. Select one of the following options:

Run silent install batch file	Run SilentInstall.bat to install all of the selected products. This file is located with the extracted MSI files. This is the easiest option to install silently. It uses all of the default options to install the products.
Install through command line	Execute command-line parameters to install one product at a time. This option allows you to change the parameters to fit your environment or standards, such as installing to a different directory.

Extract MSI Files

To extract MSI files from the Dell Software Installer

1. Run your Toad bundle from the command prompt, including the correct path to the directory where it resides and the `/extract` parameter. Since the executable contains spaces, remember to include quotation marks. For example:


C:\WINDOWS\system32\cmd.exe
C:\>"\\melflsw01\qc_ftp$\Distributables\Milestone_Builds\4.0.0\Toad Bundles\LicenseTesting4\Toad DBA Suite for Oracle 10.0 Commercial.exe"/extract_

2. Complete the wizard. Review the following for additional information:

Product Selection Page	Description
Select the product you want to extract	Verify that all the products you want to extract display in this list. If a product does not display, you should start over and select an edition that contains all the files.

Finish Page	Description
"specified location" link	Click this link to open the directory where your files have been extracted. This directory also includes the silent installation batch file (SilentInstall.bat). The batch file contains the commands to silently install all the products that you selected from the relative path. The install requires the applicable directories from the locations that you extract to and installs each product to the default directory.
"Readme.txt" link	Click this link to open the extraction log as well as the command-line parameters that are needed to perform default installations of the products. This file also defines the order in which the products need to be installed to satisfy the dependencies between the products. This option allows you to change the parameters to fit your environment or standards, such as installing to a different directory.

Install through Command Line

To silently install Toad for Oracle through the command line

1. Extract the MSI from the Dell Software installer.
2. Enter an install command similar to the following:

```
msiexec /i "<path to msi file\ToadforOracle_
version.msi>"INSTALLDIR="<installation folder>"
ADDLOCAL=Client,Server/q /l*v <path to install log, including file
name>
```

For example:

```
msiexec /i "C:\Documents and
Settings\Johndoe\desktop\ToadforOracle12.6.exe"
INSTALLDIR="C:\Programs\Dell\Toad for Oracle" ADDLOCAL=Client,Server /q
/l*v "C:\install.log"
```

Command-Line Parameters (Toad for Oracle)

You can use the following parameters to silently install Toad for Oracle:

Option	Parameter	Description
/l	Package|ProductCode	Installs or configures the product.
/f	[p|o|e|d|c|a|u|m|s|v] Package|ProductCode	Repairs the product. This option ignores any property values entered in the command-line. The default argument list for this option is 'omus.' The following options are available: • p—Reinstalls only if a file is missing. • o—Reinstalls if a file is missing or an older version is installed. • e—Reinstalls if a file is missing or an equal or older version is installed. • d—Reinstalls if a file is missing or a different version is installed. • c—Reinstalls if a file is missing or the stored checksum does not match the calculated value. This option only repairs files that have msidbFileAttributesChecksum in the Attributes column of the File table.

Option	Parameter	Description
		• a—Forces all files to be reinstalled. • u—Rewrites all required, user-specific registry entries. • m—Rewrites all required, computer-specific registry entries. • s—Overwrites all existing shortcuts. • v—Runs from source and re-caches the local package. Do not use this option for the initial installation of the product or feature.
/a	Package	Installs the product on the network.
/x	Package/ProductCode	Uninstalls the product.
/l	[i|w|e|a|r|u|c|m|o|p|v|x|+|!|*] Logfile	Writes logging information to a logfile in the specified path. The path to the logfile location must already exist. The installer does not create the directory structure for the logfile. Flags indicate which information to log. If no flags are set, the default is 'iwearmo.' The following options are available: • i—Status messages. • w—Nonfatal warnings. • e—All error messages. • a—Start up of actions. • r—Action-specific records. • u—User requests. • c—Initial UI parameters. • m—Out-of-memory or fatal exit information. • o—Out-of-disk-space messages. • p—Terminal properties. • v—Verbose output. • x—Extra debugging information. Only available on Windows Server 2003.

Option	Parameter	Description
		• +—Append to existing file. • !—Flush each line to the log. • "*"—Log all information except for the v and x options. To include the v and x options, enter "/l*vx".
/q	n|b|r|f	Sets the user interface level. Review the following options: • q, qn—No UI • qb—Basic UI. Use qb! to hide the Cancel button. • qr—Reduced UI with no modal dialog box displayed at the end of the installation. • qf—Full UI and any authored FatalError, UserExit, or Exit modal dialog boxes at the end. • qn+—No UI except for a modal dialog box displayed at the end. • qb+—Basic UI with a modal dialog box displayed at the end. The modal box does not display if you cancel the installation. Use qb+! or qb!+ to hide the Cancel button. • qb- —Basic UI with no modal dialog boxes. Note that /qb+- is not a supported UI level. Use qb-! or qb!- to hide the Cancel button. **Note:** The ! option is available with Windows Installer 2.0 and works only with basic UI. It is not valid with the full UI.
RESTRICTIONS	p	Prevents users from saving their connection password by disabling the **Save password** field in the Database Login window. For example: RESTRICTIONS=p
	i	Prevents users from accessing the Internet via Toad by disabling all Internet access in Toad. This can be combined with the 'p' parameter; for example: RESTRICTIONS=p,i

Option	Parameter	Description
	r	Installs Toad in read-only mode. Prevents users from committing any work done in TOAD to the database, such as creating or modifying objects, changing data, or compiling code. Users are permitted to create, modify, and save data and SQL files on their local Windows computer in this mode.

Install SQL Optimizer through Command Line

To silently install SQL Optimizer through the command line (default directory)

1. Extract the MSI from the Dell Software installer.
2. Enter the following command:

   `msiexec /i "<path to msi file\QuestSQLOptimizer_Oracle_Common.msi>" /qn`
3. Enter the following command:

   `msiexec /i "<path to msi file\QuestSQLOptimzer_Oracle_version.msi>" /qn`

   `where`

   /i = install

   /qn = quiet, no UI

To silently install SQL Optimizer through the command line (custom directory)

1. Extract the MSI from the Dell Software installer.
2. Enter the following command:

   `msiexec /i "<path to msi file\QuestSQLOptimzer_Oracle_version.msi>" /qn`

   INSTALLDIR="InstallDir"

   Note: Use the INSTALLDIR parameter if you are upgrading and would like to have both the current version and the new version installed. Otherwise, the upgrade overwrites the current version.

Install Toad Data Modeler through Command Line

To silently install Toad Data Modeler through the command line

1. Extract the MSI from the Dell Software installer.
2. Enter the following command:

   ```
   setup.msi /q INSTALLDIR="C:\Program Files\Dell\Toad Data Modeler version\"
   ```

   The argument for the silent installation from a command-line is “/q”. To specify a directory where Toad Data Modeler should be installed, use INSTALLDIR=”PATH”. (Otherwise, the default path is used.)

   To specify the database platform where you want to install Toad Data Modeler or which shortcuts should be created and where, use the ADDLOCAL parameter. If this parameter is not used, a default installation is performed.

   Example:

   ```
   setup.msi /q INSTALLDIR="C:\Program Files\Dell\Toad Data Modeler version
   \ADDLOCAL=Complete,XPMANIFEST,SUPPORTDATABASES,SHORTCUTUNINSTALL,
   SHORTCUTDESKTOP,SHORTCUTSTARTMENU,SHORTCUTQUICKLAUNCH,SHORTCUTHELP,
   POSTGRESQL,POSTGRESQL81,POSTGRESQL82
   ```

   If you use the ADDLOCAL parameter, always select the Complete, XPMANIFEST, and SUPPORTDATABASES options. These options are required for the correct installation.

   When installing support for a particular database platform, you must install basic support for the selected database platform. For example, to support the Oracle 10g database, Oracle must also be selected.

Shortcuts

You can use the following to create shortcuts when installing silently:

Command	Description
SHORTCUTUNINSTALL	Creates a shortcut for uninstall in the Start menu.
SHORTCUTDESKTOP	Creates a shortcut for Toad Data Modeler on the desktop.
SHORTCUTSTARTMENU	Creates a shortcut for Toad Data Modeler in the Start menu.
SHORTCUTQUICKLAUNCH	Creates a shortcut for Toad Data Modeler in the Quick Launch bar.

Command	Description
SHORTCUTHELP	Creates a shortcut for the Help file, User Manual, and Reference Guide in the Start menu.

Tip: Other parameters for silent installs can be found if you enter the "setup.msi ?" command.

Install Toad for MySQL through Command Line

Before you perform a silent installation, you must install Microsoft .NET Framework 3.5 (Service Pack 1) on every computer where you are installing Toad for MySQL.

To silently install Toad for MySQL through the command line

1. Extract the MSI from the Dell Software installer.
2. Enter the following command:

   ```
   msiexec /i "<path to msi file\ToadforMySQL_version.msi>" /q
   ```

   You can override the following optional properties:

INSTALLDIR	Specify a folder other than default installation folder
READONLY	Enter *TRUE* if you want to install as read-only
ApplicationUsers	Enter "AllUsers" to install the product for all users, Enter "OnlyCurrentUser" to install the product only for the user that performs the installation.

   The following is an example command to install as read-only for all users to a user selected folder:

   ```
   msiexec /i "path_to_installer.msi" INSTALLDIR= "Your_install_path"
   READONLY=TRUE ApplicationUsers="AllUsers" /q
   ```

Install Patches Silently

If you already have Toad installed and want to upgrade silently, you must include `REINSTALLMODE=vo REINSTALL=ALL` in the command. If these parameters are not included, the MSI registers that Toad is already installed and does not upgrade it.

For example, if you are currently in the directory where the MSI resides, entering the following command installs to the standard location:

```
msiexec.exe /i <path to msi file\ToadforOracle<version>SetupFull.msi>
REINSTALLMODE=vo REINSTALL=ALL
```

You can also set additional parameters or run the MSI from a location other than the active directory. For example:

```
msiexec /i "C:\Documents and Settings\johndoe\desktop\
ToadforOracleSetupFull.msi REINSTALLMODE=vo REINSTALL=ALL
INSTALLDIR="C:\Programs\Dell\Toad for Oracle\" /q /l*v "C:\install.log"
```

Uninstall Toad for Oracle through Command Line

To silently uninstall Toad through the command line

» Enter a command similar to the following:

msiexec /x "<*path to msi file*\ToadforOracle_*version*.SetupFull.msi>" /q

Install Product Licenses during Silent Installation

You can install a license as part of the silent install process by pushing a windows registry file to the target machine and importing it to the registry.

Configure the License File

When a silent install is performed, a License Key template (Questkey.reg) is extracted into the selected directory. You can use this template to enter the key(s) that you would like to use on the target PC.

The following represents the contents of the sample registry key:

```
Windows Registry Editor Version 5.00

[HKEY_CURRENT_USER\Software\{08439167-4CA5-48E9-A810-A3A7C0B80B06}]

[HKEY_CURRENT_USER\Software\{08439167-4CA5-48E9-A810-A3A7C0B80B06}\Local]

[HKEY_CURRENT_USER\Software\{08439167-4CA5-48E9-A810-A3A7C0B80B06}
\Local\REPLACE_WITH_KEY]
"SiteMessage"="REPLACE_WITH_SITEMESSAGE"
"ProductName"="REPLACE_WITH_PRODUCTNAME"
"ProductVersion"="REPLACE_WITH_PRODUCTVERSION"
```

Review the following to configure the license file:

- Do not change the first two lines as they are the key entries to add a license.
- In the template, replace “REPLACE_WITH_????” with the relevant information supplied with your license.
- Since the license key is used to create a folder in the registry, you can add additional licenses in the same file by replicating the last four lines.
- The license(s) are ready for use once the Questkey.reg file has been pushed and imported to the registry and the entries are available on the remote machine.Any product that is run in the Toad bundle reads and validates the license and removes the entries from the registry.
- Your product(s) are ready for use when the license is validated.

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Contacting Dell

Technical support:

Online support

Product questions and sales:

(800) 306-9329

Email:

info@software.dell.com

Technical support resources

Technical support is available to customers who have purchased Dell software with a valid maintenance contract and to customers who have trial versions. To access the Support Portal, go to

http://software.dell.com/support/.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. In addition, the portal provides direct access to product support engineers through an online Service Request system.

The site enables you to:

- Create, update, and manage Service Requests (cases)
- View Knowledge Base articles
- Obtain product notifications
- Download software. For trial software, go to Trial Downloads.
- View how-to videos
- Engage in community discussions
- Chat with a support engineer